

## THRUST BEARING

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Applicant: NTN TOYO BEARING CO LTD

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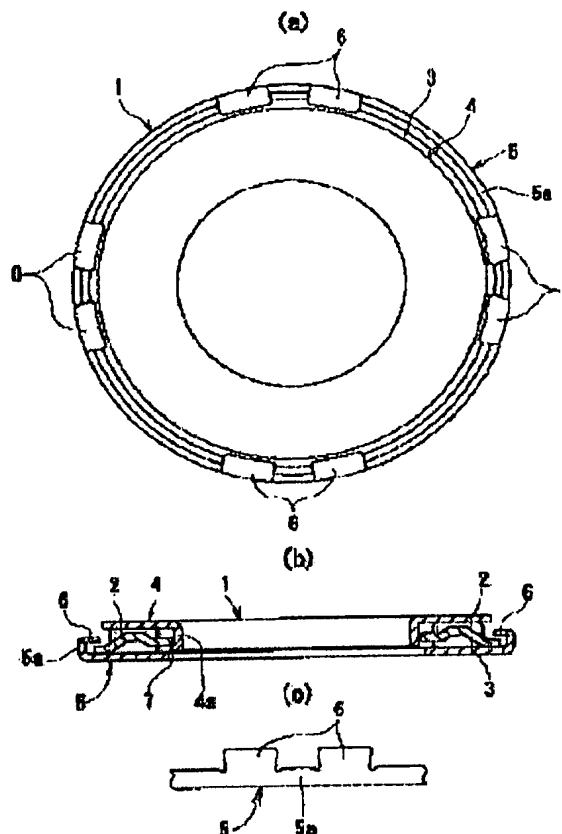
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### Abstract of JP2003083339

**PROBLEM TO BE SOLVED:** To provide a one-piece type thrust bearing capable of securely having a ball race and a cage non-separable when the bearing inner clearance in the radial direction is large. **SOLUTION:** A plurality of claws 6 projecting inward at the tip of a collar 5a of an outer ring 5 for engaging the periphery of cage 3 are formed by bending so that the projection of each claw 6 is larger than the bearing inner clearance  $\Delta$  in radial direction in order to securely making the inner and outer rings 4, 5 and the cage 3 non-separable even if the bearing inner clearance  $\Delta$  is large.



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